

Biospecimens supporting
your assay development?

We I.V.DO that™

Medix Biochemica

Validate and control your assay with our comprehensive selection of biospecimens

The role of biospecimens

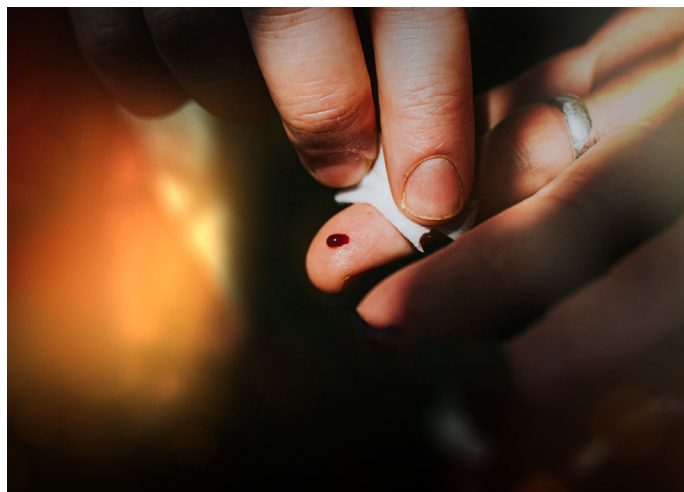
Biospecimens such as biological fluids, sample swabs, and other collected material are obtained via routine sampling methods or harvested during surgery. By analyzing biospecimens for molecules of interest, it is possible to determine whether an individual has a particular disease, establish how far that disease has progressed, or detect the presence of a banned substance or toxin in their system. In addition, biospecimens are widely used as research tools for investigating disease pathogenesis and guiding the development of more effective treatments.

Challenges faced

A major challenge associated with using biospecimens lies in sourcing material that is representative of a specific disease state or demographic. Moreover, non-traditional sample types like fecal matter, buccal swabs, cerebrospinal fluid, vaginal swabs, nasal fluid, and sputum from individuals with a rare condition can often be hard to find. Where the assay in question will be scaled up for commercial production, acquiring high-quality biospecimens in sufficient amounts to satisfy demand is critical to ensuring that results are both accurate and delivered on time.

You can rely on Medix Biochemica

Medix Biochemica offers an extensive selection of normal and disease state biospecimens that are ethically collected and available in bulk quantities and/or custom supply. Many of our biospecimens are readily paired with other Medix Biochemica products, providing multiple opportunities to streamline your workflow. Whether you are using biospecimens to identify a disease biomarker, stratify patients based on their likelihood of responding to a specific drug, or develop a commercial screening test for an illicit substance, you can count on us for a consistent source of products to meet the exacting needs of your project.



[medixbiochemica.com](https://www.medixbiochemica.com)

A broad range of biospecimens

Our continually evolving biospecimen collection covers a broad range of sample types, including:

- Fluids – ascites, blood, cerebrospinal, nasal, pleural, vaginal, plasma, saliva, serum, sputum, sweat, and tears
- Swabs – buccal, nasal cavity, nasopharyngeal, perianal, rectal, semen, and vaginal (pre- and post-coitus)
- Tissues – adipose, hair
- Fecal matter
- Custom collections – specific requirements may be accommodated, including certain demographics, diseased states, drug positive/negative states; please inquire for more information

Essential tools for validating and controlling bioassays

Biospecimens are core components of assays spanning enzyme-linked immunoassay (ELISA), lateral flow immunoassay (LF), and immunohistochemistry (IHC) through to molecular diagnostics applications such as polymerase chain reaction (PCR), next-generation sequencing (NGS), and CRISPR-Cas9 gene editing. Here, they serve as essential tools for optimization and validation during early stage development, as well as function as critical controls in the final assay setup. For this reason, sourcing biospecimens from a trusted vendor offering expert customer support and consolidated supply chain management is key to keeping your project on track.

Contact us today to discuss your biospecimen requirements with a member of our highly experienced team: sales@medixbiochemica.com

